

Knowledge Translation: Making Health Research Work for Canadians

Knowledge Translation at CIHR

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What is Knowledge Translation?

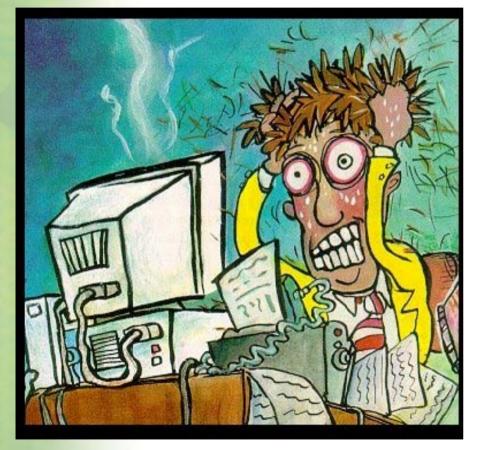
What is Knowledge Translation at CIHR?

Plans for the Knowledge Translation Portfolio





It's all in the name



Knowledge to action (KTA)

Knowledge Transfer (KT) Knowledge Translation (KT) Research Use/Utilization Knowledge Exchange (KE) Commercialization





KT terms used by 33 applied health research funding agencies

applied health research, capacity building, co-optation - cooperation competing Diffusion*, **Dissemination***, getting knowledge into practice, impact, Implementation*, knowledge communication, knowledge cycle, knowledge exchange, knowledge management. knowledge mobilization

knowledge translation knowledge transfer linkage and exchange popularization of research, research into practice, research mediation, research transfer, research translation, science communication, teaching, "third mission", translational research, transmission, utilization *cited most frequently



Knowledge Transfer



"is about <u>transferring</u> good ideas, <u>research results</u> and skills <u>between</u> universities, other research organizations, business and the wider community to enable innovative new products and services to be developed."

UK Office of Science and Technology





Knowledge Exchange



" is <u>collaborative problem-solving</u> between <u>researchers</u> and <u>decision makers</u> that happens through <u>linkage and</u> <u>exchange</u>. Effective knowledge exchange involves interaction between decision makers and researchers and results in mutual learning through the process of planning, producing, disseminating, and applying existing or new research in decision-making."

Canadian Health Services Research Foundation

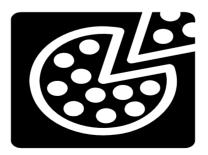




Research Use/Utilization

"process by which specific <u>research-based</u> knowledge (science) is implemented in practice."

Estabrooks et al 2003







"the exchange, synthesis and ethically-sound application of knowledge - within a complex system of interactions among researchers and users - to accelerate the capture of the benefits of research for Canadians through improved health, more effective services and products, and a strengthened health care system"

(http://www.cihr-irsc.gc.ca/e/29418.html accessed Jan 24)













Knowledge translation is about:

- Making users aware of knowledge and facilitating their use of it
- Closing the gap between what we know and what we do
- Moving knowledge into action

Knowledge translation research is about:

 Studying the determinants of knowledge use and effective methods of promoting the uptake of knowledge





Why is KT important? The researcher's perspective



Canadä



Why is KT important? The funder's perspective

Given CIHR's mandate, we really must do something to get people to use all the research we fund







Why should we be concerned about KT in the health domain?

Clinical research is consistently producing new findings that may contribute to effective and efficient patient care

The findings of such research will not change population outcomes unless health services and health care professionals adopt them in practice.

Grimshaw, Ward, Eccles. Oxford Handbook of Public Health.





The research-practice/policy gap

Consistent evidence of failure to translate research findings into clinical practice

- 30-40% patients do not get treatments of proven effectiveness
- 20–25% patients get care that is not needed or potentially harmful

(Schuster, McGlynn, Brook, 1998; Grol R, (2001)

Cancer outcomes could be improved by 30% with optimum application of what is currently known

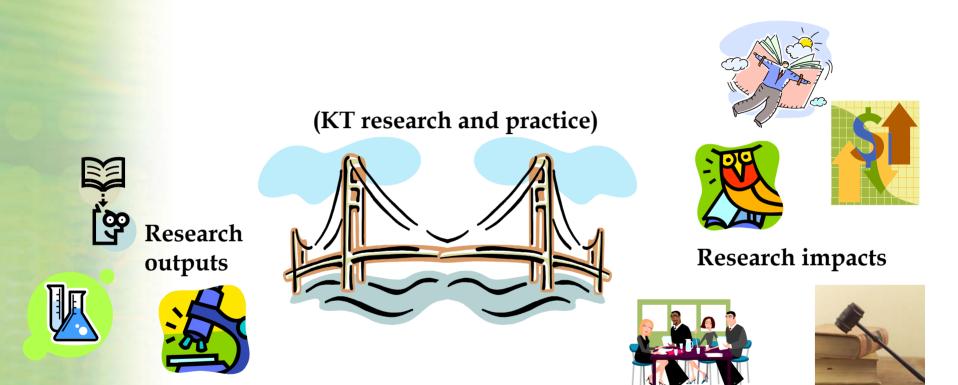
10% reduction in cancer mortality with widespread use of available therapies

(CSCC 2001; Ford et al, 1990)





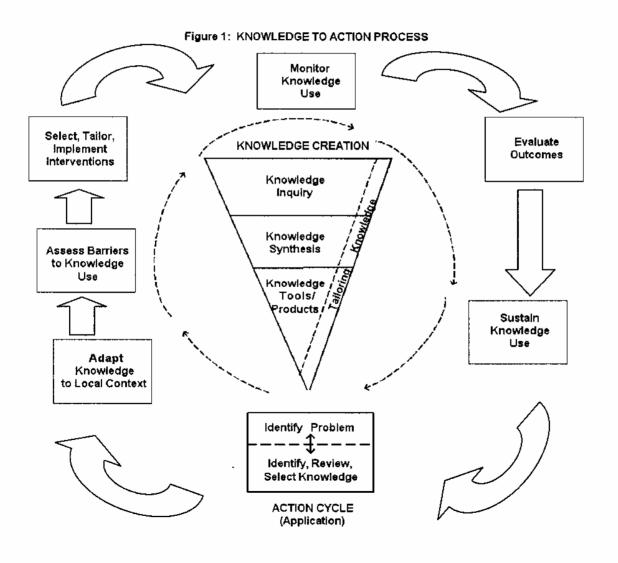
Knowledge Translation is the bridge between discovery and impact



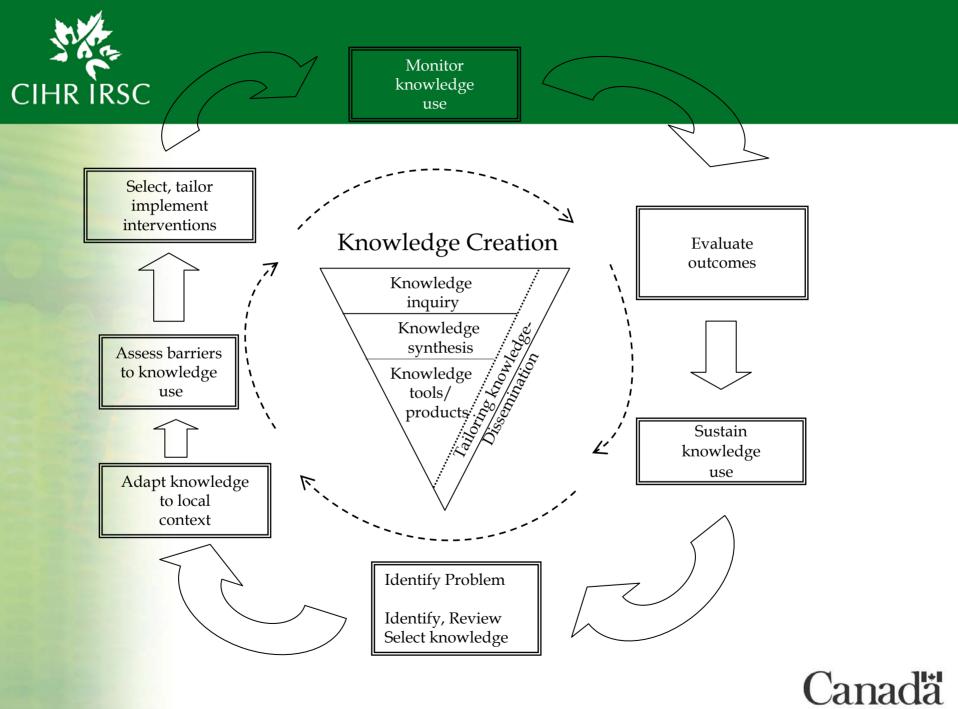
KT is about making a difference



What is involved in actually doing KT? From : CIHR IRSC Graham et al: Lost in Knowledge Translation. Time for a Map?











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What is involved in KT?

The model represents the full range of KT activities from dissemination of research results to their application in the real world

Two broad categories of KT at CIHR

- End of grant KT
- KT woven into the research process (integrated/embedded KT)





End of grant KT

Broad spectrum of activities including: Diffusion/"researcher-push"

Conference presentations Peer reviewed publications (Open access policy) Non-peer reviewed publications Website postings





Also includes:

- **Dissemination activities that tailor the message and medium to a specific audience (researcher-push/ user-pull)**
- End of grant report to funders
- Summary/briefings to stakeholders
- Educational sessions with patients, practitioners and/or policy makers
- Engaging end users in developing & executing dissemination/implementation plan
- Commercialization efforts
- Tools creation
- Media engagement
- Use of knowledge brokers





End of grant KT Efforts

Related to:

- Potential importance/impact of using the findings
- Strength of the evidence supporting the findings
- Target audience(s)
- What is known about effective strategies to reach the audience(s)
- What is practical and feasible to do
- Who else should be involved in KT efforts





- a way of doing research
- collaborative research, action-oriented, coproduction of knowledge (engaging researchers and stakeholders (end-users)
- involves integrating stakeholders into the entire research process

Study stakeholders can be:

- Investigators from different disciplines, teams, countries
- Policy makers, decision makers, research funders, the public, clinicians, the media





What is integrated KT? The role of stakeholders

They can be involved in:

- Shaping the research questions
- Deciding on the methodology
- Helping with data collection and tools development
- Interpreting the study findings
- Crafting the message and disseminating the research results
- Moving the results into practice





Should every researcher be involved in integrated KT?

NO – not necessarily

For many researchers, disseminating research results to the <u>appropriate</u> audience (this includes other researchers) is usually sufficient

In some cases, more intense knowledge translation is warranted to roll out the results of research proven to be effective

This more intense form of KT could take place at the end of the grant, or in a more integrated fashion, depending on the circumstances

Synthesis is an important part of our definition of KT – results from a single research study should be contextualized within a synthesis of global research results before extra-ordinary efforts undertaken to widely disseminate and/or implemented





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- Consolidate KT, Partnerships and Evaluation staff under the portfolio
- Understand SDs' and Institutes' issues and concerns about KT, Partnerships and Evaluation
 - Meet with SDs, IRT, Attend some IAB meetings
- Develop working relationships with institutebased KT, partnership, and evaluation experts





- Redefine the role of the Branch to reflect organizational changes (new portfolio, integrate with KT framework, manage pan-CIHR partnerships etc.)
- Develop new initiative around Citizen Engagement including tools and resources for the Institutes
- Develop "Principles of Engagement" for Partners to streamline processes particularly around relevancy review.





Next steps for the KT Branch

Branch name change

- (?Knowledge Synthesis and Exchange Branch)
- Pan-CIHR KT Casebooks (launch coming soon)
 - opportunity to showcase the success stories of all the Institutes
 - opportunity to further our understanding of KT by seeing successful as well as less successful cases





KT Related Funding and Award Opportunities

- Institute strategic initiatives (integrated KT)
- KT workshop and symposium opportunities
- Partnerships in Health Services Innovation (PHSI) (integrated KT and EGKT)
- Knowledge to Action strategic initiative (integrated KT and EGKT)*
- Synthesis RFA (integrated KT)*
- KT award regional and national
- Fellowship priority announcements*
 - Knowledge Translation
 - Health communications
- * Dec 2006 launch





- Staff up three units: Evaluation, Data and Analysis, and Impacts Assessment
- Implement End-of-grant reporting system
- Develop new research classification system
- Plan for full range of priority evaluations over next five years; finalize STIHR, CGS evaluations and integrated report of Institute evaluations
- Implement End-of-grant reporting system
- Finalize and implement framework to measure and report on longer term impacts of health research





Merci- Thank you

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